

3.00 credits

26.0 h

Q2

Teacher(s)	Knoops Bernard ;Morsomme Pierre ;Van der Eecken Valérie (compensates Knoops Bernard) ;
Language :	French
Place of the course	Louvain-la-Neuve
Prerequisites	Bac1 general biology courses
Learning outcomes	<p><b>At the end of this learning unit, the student is able to :</b></p> <p>At the end of the course, the students should be able to :</p> <ul style="list-style-type: none"> <li>- Describe most aspects of animal cell function (mitosis, protein synthesis, receptors and signaling pathways)</li> <li>- Describe how the neuro-muscular system and the main sensory organs work</li> <li>- Solve simple clinical cases related to those functions</li> <li>- Make link with other courses (anatomy, histology, biochemistry)</li> </ul> <p>At the end of the course, the students will have a thorough knowledge of:</p> <ul style="list-style-type: none"> <li>- Animal cell biology (complementary with biochemical courses)</li> </ul> <p>Nervous physiology (central and periphery nervous system, sensory organs) and muscle physiology (skeletal and smooth muscles)</p>
Evaluation methods	Oral and/or written examination
Teaching methods	Lectures
Content	<p>Table of Contents :</p> <p>Animal cell biology :</p> <ul style="list-style-type: none"> <li>• Nucleus organisation</li> <li>• Transcription and translation</li> <li>• Cancer</li> <li>• Cell cycle</li> <li>• Cell death : necrosis, necroptosis, apoptosis and autophagy</li> <li>• Biomembranes</li> <li>• Cell communication</li> </ul>
Bibliography	Diapositives powerpoint disponibles sur moodle. Les livres de référence sont disponibles en bibliothèque
Faculty or entity in charge	VETE

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Veterinary Medicine	VETE1BA	3		